

## ESF-12 Situation Report

*August 15, 2004 0700 EDT*

### Highlights:

- In Florida, over 1 million customer outages as of August 14 evening.
- OEA staff continues to support the Regional Operations Center in Atlanta, the FEMA ESF-12 Desk, and the DOE EOC
- Power restoration efforts are focusing on restoring power to essential customers (e.g. hospitals, police, fire, communications and water) and repairing lines that could bring power back to large numbers of customers as quickly as possible

Utility Outage and Recovery Data Available	
<b>SOUTH CAROLINA</b>	
South Carolina Electric & Gas	2,000 customers without power (11:00 PM EDT, 8/14/04)
Santee Cooper	25,000 customers reported without power, down from the peak of 65,000 (of a total of 141,000 metered customers) (5:00 PM EDT, 8/14/04)
<b>NORTH CAROLINA</b>	
Progress Energy (North Carolina)	Reports 48,000 Customer Outages from total of 112,000 (9:00 PM EDT, 8/14/04)
<b>FLORIDA</b>	
Progress Energy	<p>Total Customer Outages: 452,663 from total of 502,000 (as of 10:00 PM EDT 8/14)</p> <p>Counties with the most significant power outages:</p> <ul style="list-style-type: none"> <li>- Orange 169,349</li> <li>- Seminole 96,921</li> <li>- Polk 51,615</li> <li>- Highlands 45,160</li> <li>- Volusia 57,478</li> <li>- Osceola 19,048</li> </ul> <p>Progress Energy will release updated outage figures four times daily: 5 a.m., 11 a.m., 4 p.m. and 10 p.m.</p>
Florida Power and Light	<p>Total Customer Outages: 536,000 (as of 6:00 PM EDT 8/14)</p> <p><b>Fort Myers/Naples</b></p> <ul style="list-style-type: none"> <li>Lee - 145,000</li> <li>Collier - 80,000</li> <li>Charlotte - 80,000</li> <li>Hendry - 2,000</li> <li>Glades - 1,000</li> </ul> <p><b>Sarasota/Bradenton</b></p> <ul style="list-style-type: none"> <li>Sarasota - 16,000</li> <li>De Soto - 15,000</li> </ul> <p><b>Northeast Coast</b></p> <ul style="list-style-type: none"> <li>Volusia - 140,000</li> <li>Seminole - 20,000</li> <li>Flagler - 10,000</li> <li>St. Johns - 2,000</li> </ul> <p><b>East Coast</b></p> <ul style="list-style-type: none"> <li>Brevard - 25,000</li> </ul> <p>FPL expects these numbers to change as we continue assessments.</p>

Jacksonville Electric Authority	Currently, there are no customer outages reported in the JEA service area as of (6:10 EDT 8/14/04). (Out of 384,892 metered customers)
Seminole Electric Cooperative	Reports 200,000 customers without power.

## **Florida Update:**

- We have no reports that police and fire departments are dark, i.e., we believe that those needing standby power have it. All of the hospitals, except those 5 which were evacuated, have power, standby or otherwise.
- All requests for diesel fuel to serve backup power are being processed; no reports that diesel fuel is not available to serve backup power.
- Florida Power and Light (FPL) serves 4.2 million homes and businesses in all or parts of 35 counties in Florida, including the entire eastern seaboard and the southwest Gulf Coast from Bradenton/Sarasota to Fort Myers/Naples. FPL customers in southwest, south central and northeast Florida have been heavily impacted by Charley. According to its plan, FPL worked to restore power to essential customers -- hospitals, police, fire, communications and water, sanitary and transportation -- and repair lines that could bring power to large numbers of customers as quickly as possible. Power to 338,000 customers has been restored of the 874,000 customers affected by the storm. FPL indicates that by 5 pm on August 15<sup>th</sup>, they will have a time estimate for restoration, except for the communities of Arcadia, Port Charlotte, and Punta Gorda (where there was extensive damage).
- Progress Energy has 700 miles of transmission lines down, 62 substations out of service, and 452,663 customers without power (as of 5 AM, August 15). Progress Energy has brought in 6000 personnel from out of state and its crews are in the field restoring power and assessing the damage. Progress Energy reports that:
  - They sent teams out by 2 am on 8/14 to perform an initial assessment of the storm damage.
  - They will have completed, weather permitting, a damage assessment of their transmission systems by end of 8/15.
  - They will have completed damage assessments of their distribution systems by end of the day tomorrow.
  - In 7 days, they will have their customers in the counties of Seminole, Orange, Osceola and Volusia restored to full power
  - In 10 days, they will have their customers in the counties of Polk, Hardee and Highlands counties restored to full power. Most of the damage they experienced was in these counties.
  - They have the materiel in hand to perform the restoration.
- Peace River Cooperative, covering counties in southwest Florida, expects to rebuild their damaged components within 1 – 2 weeks. Lee County Electric Cooperative has 80,000 out of 160,000 customers out of service affected mostly at Pine and Sanibel Islands. The other 3 cooperatives in the affected region (Clay, Glades and Sumter Electric Cooperatives) are on line.
- At least 1200 MW of generation is offline due to damage at power plants: Tiger Bay (233 MW) has 3 out of 4 cooling towers damaged. Hines has lines down at the plant and several enclosures were blown off and there appear to be electronics damage to the physical part of the plant's control system. This will require engineers to evaluate the severity. The small Rio Pinar plant (20 MW) lost its battery bank and a vehicle was blown into a storage tank. Normally Florida's system could handle the loss of these three plants; however, with the severe damage to the transmission lines, only limited power can be imported so the loss of the plants is critical to some areas receiving power.

- Nuclear Regulatory Commission Update, 8/13/04 - The single-unit, 838-MW Crystal River Nuclear Plant is located near Crystal River, Fla., 90 miles north of Tampa and on the Gulf Coast. The site also includes four coal-fired generating units that generate 2,302 MW. Charles A. Casto, acting Regional Administrator of the agency's Region II office in Atlanta, said the NRC has activated its Atlanta Incident Response Center to monitor and assist Florida's nuclear power plants at Crystal River, St. Lucie, and Turkey Point. He said additional NRC personnel have already been dispatched where needed to the plants and to Florida's Emergency Response Center in Tallahassee.

### **Carolinas/Georgia Update:**

Restoration work has begun in many parts of the Carolinas:

- Santee Cooper crews have begun working to restore power in all affected areas of Horry and Georgetown counties, now that Hurricane Charley has moved through the Grand Strand area. Minimal damage was done in Berkeley County and those outages have been restored. Santee Cooper's line crews are fully mobilized and working to restore power as safely and quickly as possible. Approximately 65,000 customers are reported to be without power with the bulk of them located in Myrtle Beach, Conway, Murrells Inlet and Pawleys Island. Most of the outages were caused by downed trees and fallen tree limbs. The total number of outages is expected to increase as customers who were evacuated return home and discover their power is out. Priority is being given to restoring power to health-care facilities, emergency shelters and public-safety offices. Santee Cooper is South Carolina's state-owned electric and water utility serving more than 141,000 retail customers in Berkeley, Horry and Georgetown Counties. (need to update this)
- As of 11:00 pm on Saturday (8/14/04), 2,000 customers remain without power as South Carolina Electric and Gas (SCE&G) crews continue restoration work. Crews are working more and more individual outages, and the company expects overall restoration efforts to continue into Sunday.
- Georgia Power has committed 225 line crew personnel, engineers and other technical support staff and 175 contractors to help in power restoration efforts. In addition, two storm semi-trucks will transport supplies and equipment to personnel in the field. All crews are scheduled to arrive at staging areas in Brunswick, Kingsland and Savannah by midday Saturday.